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KANSAI PAINT KK
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Water repellent pressure sensitive adhesive sheet - includes water repellent coating layer contg. polymer of fluoroalkyl gp. contg. (meth)acrylate monomer and opt. silicone C90-127464

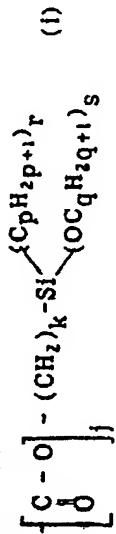
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Water repellent pressure sensitive adhesive sheet - includes water repellent coating layer contg. polymer of fluoroalkyl gp. contg. (meth)acrylate monomer and opt. silicone

A water repellent pressure sensitive adhesive sheet is a multi-layer sheet comprising (A) a water repellent coating layer, (B) a base sheet layer, (C) a pressure sensitive adhesive layer and (D) a releasing sheet layer, in which (A) comprises (a) Polymer comprising fluoroalkyl gp contg. (meth)acryl monomer of formula (I), opt. (b) silicone contg. polymerisable unsatd. monomer of formula (II)



$R_1, R_2 = H$ or methyl;
 $l = \text{integer of } 1-11;$
 $Rf = C_2F_{2m+},$ or $-C_nF_{2n}H,$
 $m = \text{integer of } 1-20,$



$j = 0$ or 1,
 $k = \text{integer of } 0-5;$
 $q = \text{integer of } 1-20;$
 $r = \text{integer of } 0-2,$ $s = \text{integer of } 1-3,$ and
 $r + s = 3,$ and
(c) particles of ave. dia. of at least 5μm.

USE/ADVANTAGE

The sheet prevents ice and snow adhesion on objects and involves only sticking the sheet instead of using a trouble-some coating operation.

EXAMPLE

On the other side of a plasticized PVC sheet (B), a pressure sensitive adhesive layer (C) comprising mainly poly-2-ethylhexylacrylate was formed, on which a releasing agent J02208382-A+

layer (D) was formed. On the other side of (B) a primer layer (E) comprising mainly ethylcellulose was formed on which a water repellent layer (A) comprising (a) obd. by copolymer of 2-perfluorooctylethylmethacrylate, 2-perfluoroisobornylmethacrylate, 2-perfluorooxypropylmethoxysilane, in hexafluoromethacrylene and (c) hydrophobic silica fine powder with other solvent was formed by airspraying and drying to obtain the sheet. Contact angle of the surface was 138°. The sheet exhibited good weatherability, water proofness and flexural resistance. (9pw11HwdwgN00/0)

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